

AMENDMENTS TO THE CLAIMS

Please amend the claims as shown below:

1 through 17. (Cancelled)

18. (Currently Amended) A method of recognizing handwriting-based data entry comprising ~~the steps of:~~

a) accessing spatial stroke data and pressure data captured by a digitizer of a computer system and representing said user-drawn stroke wherein respective pressure data is associated with respective spatial data;

b) storing said spatial stroke data and pressure data into a computer memory wherein pressure data of a first range represents an object of a first display attribute and pressure data of a second range represents an object of a second display attribute;

c) determining an object display attribute based on said pressure data;

d) drawing a representation of said user-drawn stroke on a display screen of said computer system simultaneously with said spatial stroke data being accessed by said digitizer wherein said representation of said user-drawn stroke is drawn with said object display attribute as determined at said ~~step c)~~; and

e) repeating ~~steps a) - d)~~ said a) through said d) until said stroke is complete.

19. (Original) A method as described in Claim 18 wherein said first display attribute is a first width and wherein said second display attribute is a second width.

20. (Original) A method as described in Claim 18 wherein said stroke is a line.

21. (Original) A method as described in Claim 18 wherein said computer system is a palm sized computer system.

22. (Original) A method as described in Claim 18 wherein said computer system is a portable computer system.

23. (Original) A method as described in Claim 18 wherein said digitizer is separate in area from said display screen.

24. (Currently Amended) In a computer system, a method of performing authentication comprising ~~the steps of:~~

a) accessing spatial stroke data and pressure data captured by a digitizer of said computer system and representing a user-drawn signature wherein respective pressure data is associated with respective spatial stroke data, wherein a display screen of said computer system comprises said digitizer;

b) storing said spatial stroke data and pressure data into a computer memory;

c) comparing said spatial stroke data and pressure data of said user-drawn signature to stored spatial stroke data and pressure data of a reference signature for a match;

d) generating an authentication signal upon a match of said ~~step c)~~ spatial stroke data and pressure data and said stored spatial stroke data and pressure data; and

e) provided said authentication signal is generated, allowing a user access to said computer system, otherwise prohibiting said user from accessing a portion of said computer system.

25. (Original) A method as described in Claim 24 wherein said computer system is a palm sized computer system.

26. (Cancelled)

27. (Currently Amended) A method as described in Claim 24 wherein ~~step a)~~ said accessing said spatial stroke data and pressure data further comprises the step of accessing speed information representing said user-drawn signature and wherein ~~step c)~~ said comparing further comprises ~~the step of~~ comparing said speed information with reference speed information of a reference signature for said match.

28. (Original) A method as described in Claim 24 wherein said computer system is a portable computer system.

29. (New) A secure handwriting-based data entry recognition system comprising:

means for accessing spatial stroke data and pressure data captured by a digitizer of a computer system and representing said user-drawn stroke wherein respective pressure data is associated with respective spatial data;

means for storing said spatial stroke data and pressure data into a computer memory wherein pressure data of a first range represents an object of a first display attribute and pressure data of a second range represents an object of a second display attribute;

means for determining an object display attribute based on said pressure data; and

means for drawing a representation of said user-drawn stroke on a display screen of said computer system simultaneously with said spatial stroke data being accessed by said digitizer wherein said representation of said user-drawn stroke is drawn with said object display attribute as determined at said means for determining an object display attribute.

30. (New) The secure handwriting-based data entry recognition system as described in Claim 29 wherein said first display attribute is a first width and wherein said second display attribute is a second width.

31. (New) The secure handwriting-based data entry recognition system as described in Claim 29 wherein said stroke is a line.

32. (New) The secure handwriting-based data entry recognition system as described in Claim 29 wherein said computer system is a palm sized computer system.

33. (New) The secure handwriting-based data entry recognition system as described in Claim 29 wherein said computer system is a portable computer system.

34. (New) The secure handwriting-based data entry recognition system as described in Claim 29 wherein said digitizer is separate in area from said display screen.